

# **PIXEL STRUCTURE FOR A LIQUID CRYSTAL ON SILICON DISPLAY**

5

## **ABSTRACT OF THE DISCLOSURE**

A pixel structure for an LCoS display comprises a pixel  
electrode, an insulator formed on the pixel electrode by CMP, reflectors  
10 formed on the insulator by micro-electro-mechanical process, a  
passivation formed on the reflectors and the insulator by CMP, a  
conductor on the passivation, a layer of liquid crystal above the  
conductor, and a glass plate having common electrode thereon above  
the layer of liquid crystal. Each of the reflectors has an oblique metal  
15 plate, gratings or a planar metal plate with multilayer coating of  
different refractive indexes thereon, so as to reflect an oblique incident  
light for a reflective light produced at specific angles by diffraction or  
refraction and out of the glass plate.